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Report on the Administration of Assam Public Works Department for the year 1937-38

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SHILLONG

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Report on the Administration of Public Works Department for the year 1937-38

I.—DIRECTION

The Hon'ble Maulavi Saiyid Sir Muhammad Saadulla, Kt., M.A., B.L., held charge of the Public Works Department portfolio. *Public Works Department portfolio.*

2. Mr. G. Reid Shaw, I.S.E. (now deceased) held charge of the office of the Chief Engineer and Secretary to the Government of Assam in the Public Works Department. *Secretariat.*

3. Mr. A. B. Dutt, Registrar, Public Works Department, held charge of the current (non-technical) duties of the Under-Secretary, Public Works Department in addition to his own duties up to the 8th June 1937, when he was relieved of the duties of the Under-Secretary by Mr. G. W. Gordon, B.SC., I.S.E., Executive Engineer, who took over charge of the post of Under-Secretary with effect from the 9th June 1937, and continued till the end of the year.

4. The post of temporary Assistant Registrar, which was created from 1st April 1936, and held by Babu Rasendra Nath Bhattacharjee, B.A., was abolished, with effect from the 9th June 1937.

5. The post of the permanent Superintending Engineer was held by Mr. K. E. L. Pennell, M.C., I.S.E., up to the 28th March 1938, when he proceeded on leave for six months and twenty-four days. Mr. Ali Ahmed, B.A., I.S.E., temporary Superintending Engineer, was appointed as Officiating Superintending Engineer, with effect from the 29th March 1938, *vice* Mr. Pennell, and Mr. F. E. Cormack, B.SC., I.S.E., Executive Engineer, was appointed as temporary Superintending Engineer in place of Mr. Ali Ahmed, with effect from the same date. *Superintending Engineers.*

The charge of the Southern Circle was held by Mr. Pennell up to the 28th March 1938, and thereafter by Mr. Cormack. The charge of the Northern Circle was held by Mr. Ali Ahmed throughout the year.

6. Recruitment to the Indian Service of Engineers was stopped. The services of Mr. Ramesh Chandra, B.SC., I.S.E., Executive Engineer, were placed at the disposal of the Government of the United Provinces as Professor of the Thomason College of Civil Engineering, Roorkee, with effect from the 19th October 1937. *Indian Service of Engineers.*

7. The Cadre of the Assam Engineering Service remained at 15 permanent and six temporary posts. One post of Assistant Engineer fell vacant on the 16th September 1937 by the retirement of Rai Sahib Rajani Mohan Kar and was left unfilled. The reorganisation of this service was taken up by the Government during the year. *Assam Engineering Service.*

8. The sanctioned strength of the Subordinate Engineering Service remained at 79 posts. There were 73 permanent Overseers, and six permanent Sub-Overseers. *Subordinate Engineering Service.*

Eleven temporary Overseers were in employment as in the previous year.

The number of permanent subordinates under Civil Officers in the Frontier and Hill districts remained at 25, and there were two temporary subordinates employed in those areas as in the previous year.

9. The divisional and subdivisional charges remained at 8 and 22 respectively as in the previous year. The Mechanical subdivision at Jorhat functioned as before under Mr. E. H. Bay, Mechanical Engineer. Mr. Bay also acted as Ship Surveyor for steam vessels used for the public ferries at Kokilamukh, Gauhati and Dhubri. *Divisions and Subdivisions.*

The headquarters of the Golaghat Division was shifted from Golaghat to Jorhat with effect from the 15th November 1937, and the Lakhimpur and the

Golaghat Divisions were reconstituted as follows, with effect from that date. (Public Works Department Notification No.138-Estt., dated the 30th September 1937.)

Lakhimpur Division—Headquarters—Dibrugarh—consisting of—

Dibrugarh subdivision with headquarters at Dibrugarh.

Sibsagar subdivision with headquarters at Sibsagar.

Golaghat Division—Headquarters—Jorhat—consisting of—

Jorhat subdivision with headquarters at Jorhat.

Golaghat subdivision with headquarters at Golaghat.

Kohima subdivision with headquarters at Kohima.

Manipur subdivision with headquarters at Manipur (Imphal).

Mechanical subdivision with headquarters at Jorhat.

Casualties.

10. The following casualties occurred during the year :—

Retirements

(*a*) Srijut Madhav Chandra Sarma, Overseer, from 9th September 1937.

(*b*) Rai Sahib Rajani Mohan Kar, Assistant Engineer, from 16th September 1937.

(*c*) Babu Khetra Mohan Chakravarti, Tracer, from 16th October 1937.

(*d*) Rai Sahib Hemoda Kishore Roy, Head Computor, Chief Engineer's Office, from 19th December 1937.

(*e*) Babu Bhupati Kumar Ghose, Draftsman, from 12th January 1938.

(*f*) Babu Bidyadhar De, Draftsman, from 16th January 1938.

(*g*) Babu Bijoy Gopal Roy, Overseer, from 16th January 1938.

(*h*) Babu Tarini Charan Datta, Overseer, from 15th February 1938.

Miscellaneous.

11. The following table shows the position of the cadres as on the 31st March for the last six years excluding districts under Civil officers acting as Public Works Disbursers :—

Year	Indian Service of Engineers					Assam Engineering Service				Subordinate Service			Mechanical and other special posts
	Sanctioned strength	Administrative posts	Executive charges	No. of officers		Sanctioned strength	No. of Subdivisions	No. of officers		Sanctioned strength	No. of Subordinates		
				Permanent	Temporary			Permanent	Temporary		Permanent	Temporary	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1932-33 ..	16	3	8	12	..	19	20(*a*)	18	..	79	68	9	2
1933-34 ..	16	3	7	12	..	15	18(*a*)	15	..	79	65	12	2
1934-35 ..	16	3	7	12	..	15	19(*a*)	15	..	79	72	9	2
1935-36 ..	17	4(*b*)	8	11	..	15 +6 (tempy.)	23(*a*)	15	..	79	77	13	2
1936-37 ..	17	4(*b*)	8	8	..	15 +6 (tempy.)	23(*a*)	15	6	79	76	11	1
1937-38 ..	17	4(*b*)	8	7	..	15 +6 (tempy.)	23(*a*)	14	6	79	79	11	1

(*a*) Including one Mechanical Subdivision formed from the 1st September 1932.

(*b*) One temporary Superintending Engineer.

II.—REVENUE

12. Excluding a sum of Rs.9,40,803 transferred from the Central Board Development account, the total revenue realised under various heads in the Public Works Department amounted to Rs.6,81,753 against Rs.5,57,487 in the previous year. The following table gives a comparison for the two years :—

	1936-37	1937-38
	Rs.	Rs.
1. CXVIII-B.—Navigation, Embankment and Drainage works ...	Nil	Nil
2. XXXIX—Civil Works—Central	10,743	11,372
3. XXXIX—Civil Works—Provincial	5,41,203	6,70,381
4. XLVI—Miscellaneous—Central	5,459	696
5. VIII—Central Military Engineering Services...	9	12
6. XXIV—Ports and Pilotage...	73	293

The chief sources of provincial revenues, as in previous years, were under "Miscellaneous" from which a sum of Rs.3,00,236 was realised. Of this amount, Rs.2,78,082 was received from motor permits against Rs.2,05,336 in 1936-37. The balance was made up from receipts from sale of old stores and materials, fees on masonry graves, and other miscellaneous heads Rs.1,06,455 was received from Ferry receipts, Rs.97,990 from tolls on roads, and Rs.1,08,404 from rents against Rs.1,42,825, Rs.70,186 and Rs.1 02,317 respectively in the previous year. The balance was made up of recoveries of expenditure and transfer from the Deposit Account of grants for the economic development and improvement of rural areas and receipts in England Rs.30 *minus* refunds.

III.—EXPENDITURE

13. The total expenditure during 1937-38 under all heads amounted to Rs.56,07,329.

A comparison with the previous four years is show below :—

	Rs.
1933-34	38,42,246
1934-35	45,33,373
1935-36	56,14,401
1936-37	58,41,312

The distribution of expenditure is shown in the following table and a chart showing the expenditure under the various heads since the year 1912-13 will be found at the end of the report.

	Heads	Works	Repairs	Establishment	Tools and plant	Other expenditure, suspense, etc.	Total
	1	2	3	4	5	6	7
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Central	Military Works	2,163	8,556	2,781	215	..	13,715
		10,719 (2+3)					
	Civil Works	6,195	99,037	27,999	1,970	..	1,35,201
		1,05,232 (2+3)					
	Tribal areas—						
	Frontier Watch and Ward ..	18,842	53,998	21,362	1,503	..	95,705
		72,840 (2+3)					
	Payment to Crown Representatives.	929	3,363	(a) 1,318	..	(b) —2,967	2,643
		4,292 (2+3)					
	Total—Central ..	28,129	1,64,954	53,460	3,688	—2,967	2,47,264

(*a*) represents Establishment and Tools and Plant charges'
(*b*) Deduction of recetips.

	Heads	Works	Repairs	Establishment	Tools and plant	Other expenditure, suspense etc.	Total
	1	2	3	4	5	6	7
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provincial	Civil Works—						
	Buildings	2,87,407	3,96,019	..	..	..	..
		6,83,426					
	Communications—						
	Petrol Tax Fund	10,14,499	..				
	Provincial Revenues	20,904	20,77,239	..			..
	Total Communications ..	10,35,403	20,77,239				
		31,12,642					
	Miscellaneous	9,399	3,696	9,45,771	73,903	4,60,691	52,89,330
		13,095					
	Public Health	779	7,352	2,109	158	..	10,398
		8,131					
	Navigation, Embankment and Drainage works.	904	29,274	8,729	584	6,563	46,054
		30,178					
	Deposit Works	11,841	..	2,105	137	..	14,083
		11,841					
	Total—Provincial ..	13,45,733	25,13,580	9,58,714	74,784	4,67,254	53,60,065
	Grand Total ..	13,73,862	26,73,534	10,12,174	78,472	4,64,287	56,07,329

14. Inclusive of the projects financed from Petrol Tax Fund which are mentioned in paragraphs 27 and 28, expenditure was incurred on the following original works individually estimated to cost over Rs.50,000:

List of works (Original) estimated to cost over Rs. 50,000 on which outlay was incurred during 1937-38

Division	Locality	Name of work	Estimate	Outlay to date	Outlay during the year	Remarks
			Rs.	Rs.	Rs.	
Khasi and Jaintia Hills.	Shillong	1. Addition and alteration to Council Chamber.	1,43,600	1,10,435	—4,004	Completed.
		2. Constructing a Second Chamber	92,412	1,00,670	67,799	
Sylhet ..	Sylhet ..	3. Construction of a separate building for the Registration Office and record room.	80,192	69,718	49,994	
Central Assam	....	4. Construction of a screw pile bridge over the Ranganadi river in the 4th mile of North Trunk Road West of North Lakhimpur.	2,44,834	2,44,654	3,880	Completed.
		5. Construction of the Dalgaon-Rowta Road.	64,133	30,225	30,175	
		6. Construction of a bridge over the Nonai river on the Paneri-Bhutiachung Road.	65,870	57,676	57,625	
		7. Construction of permanent bridges and culverts on North Trunk Road between Bihpuria and the Buroi river to replace the existing bamboo timber bridges.	2,77,427	2,58,832	2,27,837	

Division	Locality	Name of work	Estimate	Outlay to date	Outlay during the year	Remarks
			Rs.	Rs.	Rs.	
Lakhimpur ..	....	8. Construction of a permanent bridge over Desang river at Desargghat for 1935-36.	2,28,571	2,33,296	1,598	
		9. Improvement to Dhodaraii in Jorhat Subdivision.	62,452	62,444	10,691	Completed.
		10. Improvement to Dhodarali in Sibsagar Subdivision.	1,62,030	1,59,926	72,422	
Sylhet ..	Sylhet ..	11. Constructing a high level bridge over the Surma.	4,50,000	4,62,749	3,101	Completed.
		12. Improving Maulvibazar-Srimangal Road.	52,849	52,187	9,125	
		13. Construction of a road between Sherpur and Manumukh, *via*. Sarkarbazar and Uzirbazar.	2,14,970	1,10,470	1,10,470	
		14. Improving Maulvibazar-Manumukh Road.	54,563	42,605	25,495	
Western Assam	....	15. Improvement to Jogighopa-Chapaguri Road.	1,75,530	1,65,155	34,965	
Cachar ..	....	16. Improving Nilambazar-Sunakhira Road.	83,987	86,313	43,8[illegible]9	
		17. Constructing a road between Karimganj and Bhanga.	2,20,000	2,22,808	61,267	
Lower Assam ..	....	18. Improving Assam Trunk Road from mile 17 West of Gauhati towards Goalpara (within Goalpara Subdivision).	66,000	63,227	31,121	
		19. Improving the Assam Trunk Road from mile 17 West of Gauhati towards Goalpara (within Gauhati Subdivision).	1,84,000	1,77,092	38,567	
		20. Improving the road between Kothiatoli and Deboka Road.	75,000	66,661	35,017	
		21. Constructing a screw pile bridge over the Deopani river in 122nd mile of Assam Trunk Road.	55,158	55,438	291	Completed.
		22. Constructing bridges on the Assam Trunk Road between Dibrugarh and Gauhati (*b*) Kapalkata breach 20th mile.	88,415	83,364	38,503	
		23. Constructing a screw pile bridge on the Assam Trunk Road between Dibrugarh and Gauhati over the river Kopili at Dharamtul in the 49th mile of Assam Trunk Road in Nowgong subdivision.	1,97,028	2,01,585	77,028	
		24. Constructing screw pile bridges over the river Killing at Amlighat in the 40th mile of Assam Trunk Road in the Nowgong subdivision.	77,151	72,757	16,567	

IV.—CENTRAL WORKS

8. MILITARY ENGINEERING SERVICE

15. The total outlay under this head was Rs.13,715 against Rs.14,637 in the previous year. An expenditure of Rs.2,163 was incurred on original works, the main item of which was the Electrification of the Staff Sergeant's quarters at Dibrugarh at a cost of Rs.1,392. Rupees 8,556 was spent on repairs, Rs.2,781 on establishment and Rs.215 on Tools and Plant.

50.—CIVIL WORKS

16. The total outlay during the year was Rs.1,00,372 non-voted and Rs.34,829 voted--Rs.1,35,201 against Rs.88,467 in 193)-37. Of this sum Rs.6,195 was spent on original works and Rs.99,037 on repairs against Rs.46,646 and Rs.24,292 respectively in the previous year. Rs.6,195 on Original Works was all spent on Buildings, the following being more important: —

		Rs.
1.	Construction of a tiffin room for the lower Subordinate Officers of the Survey of India, Shillong. ...	3,357
2.	Improvements to the inferior servants' quarters attached to the office of the Survey of India, Eastern Circle. ...	2,402

Of the total sum of Rs.99,037 spent on repairs, Rs.89,292 was spent on Communications and the balance on Buildings. Rs.27,999 was spent on Establishment and Rs.1,970 on Tools and Plant.

34.—TRIBAL AREAS—FRONTIER WATCH AND WARD

17. The total outlay was Rs.95,705 against Rs.2,05,357 in the preceding year when the expenditure was booked under "29A.—Frontier Watch and Ward" Rs.18,842 was spent on Original Works of which 16,842 was on Buildings and Rs.2,000 on Communications as compared with Rs.12,161 and Rs.3,542 respectively in the year 1936-37. On repairs, Rs.39,933 was spent on Buildings and Rs.14,065 on communications against Rs.31,884 and Rs.1,17,066 respectively in the previous year. The difference in expenditure under " Repairs—Communications " is due to change of classification of works from Central to Provincial heads. The balance represents charges on Establishment (Rs.21,362) and Tools and Plant (Rs.1,503).

The more important works on buildings were :—

		Rs.
1.	Construction of a ward for married families of the 2nd Assam Rifles at Pasighat. ...	2,417
2.	Construction of quarters for the Battalion Clerk at Sadiya	1,984
3.	Construction of a bomb-proof magazine at Imphal	1,623
4.	Provision of pucca drain behind the bachelors' barracks of the 4th Assam Rifles at Imphal. ...	6,634
5.	Construction of a fly proof kitchen for the Military Police Hospital at Kohima. ...	1,387

33.—PAYMENTS TO CROWN REPRESENTATIVES

III. CIVIL WORKS IN CHARGE OF PUBLIC WORKS DEPARTMENT

18. The total net expenditure under this head was Rs.2,643. Rs.929 was actually spent on Original Works, Rs.3,363 on repairs and Rs.1,318 on Establishment and Tools and Plant. Rs.2,967 was however received as "Receipts". So deducting this amount, the net figure remained at Rs.2,643.

PUBLIC HEALTH

19. This become a provincial head and no expenditure was incurred against this Central head during the year.

ARCHAEOLOGICAL DEPARTMENT

20. A sum of Rs.5,593 against Rs.6,271 in the previous year, was spent in conserving protected Monuments in Assam. In addition Rs.1,570 was spent on Establishment charges, Rs.83 on Tools and Plant and Rs.285 on pensionary charges. The more important works were (*a*) special repairs to the temples at Joysagar in Sibsagar Subdivision, Rs.1,599, (*b*) annual repairs to the archæological buildings in the Golaghat Division, Rs.495, (*c*) annual repairs to certain temples, etc., at Tezpur Rs.597.

The balance was distributed for various works all over the Province.

V—PROVINCIAL WORKS

50.—CIVIL WORKS

Buildings

21. The total outlay was Rs.2,87,407 on Original Works and Rs.3,96,019 on repairs as compared with Rs.4,73,302 and Rs.3,87,992 respectively in the year 1936-37.

The expenditure by minor heads on Original Works is shown in the following table.

	Rs.
1. Land Revenue	16,899
2. Excise	1,704
3. Registration	50,349
4. General Administration Voted (Non-Excluded Areas)	1,13,117
Non-Voted (Excluded Areas)	335
Charged (Non-Excluded Areas)	27,288
5. Administration of Justice	2,948
6. Jails and Convict Settlements	27,095
7. Police (Other than Assam Rifles) Non-Excluded Areas	20,337
Ditto Excluded Areas	176
8. Police (Assam Rifles) Excluded Areas	2,452
9. Education (European and Anglo-Indian)	200
10. Education (Other than Ditto)	4,604
11. Medical Non-Excluded Areas	6,617
Ditto Excluded Areas	1,878
12. Industries	246
13. Veterinary	57
14. Civil Works Non-Excluded Areas	9,971
Ditto Excluded Areas	1,138
Total ...	2,87,411

22. A comparison with previous four years is shown below :—

——	1933-34	1934-35	1935-36	1936-37
	Rs.	Rs.	Rs.	Rs.
Original Works	59,586	2,28,119	2,60,603	4,73,302
Repairs	3,63,163	3,95,448	3,89,576	3,87,992
Total ...	4,22,749	6,23,567	6,50,179	861,29,4

A list of works completed or undertaken during the year is given in Appendix D.

COMMUNICATIONS

23. The total outlay on Communications was Rs.31,12,642 of which Rs.10,35,403 was on Original Works distributed as follows :—

	Rs.
Communications Ordinary	20,904
Petrol Tax Projects	10,14,499

The following table gives a comparison with the previous four years.

—	1933-34	1934-35	1935-36	1936-37	1937-38
ORIGINAL WORKS	Rs.	Rs.	Rs.	Rs.	Rs.
Provincial Revenues	8,249	29,303	5,685	40,727	20,904
Loans	—26	...	...	...	...
Road Fund Ordinary	787	2,85,732	3,25,131	71,818	3,74,858
Ditto Reserve	70,863	82,485	10,45,438	15,79,563	6,39,641
Ditto Interest free loan (*a*) ...	61,203	9,888	...	...	...
TOTAL ...	1,41,076	4,07,408	13,76,254	16,92,108	10,35,403
REPAIRS ...	(*b*)20,25,409	21,90,087	22,15,621	21,94,338	20,77,239
GRAND TOTAL ...	21,66,485	25,97,495	35,91,875	38,86,446	31,12,642

(*a*) The Government of India accorded their approval in 1935-36 to the debit of these amounts to the share of the Local Government in the Road Account.

(*b*) Includes Rs.46,095 transferred from the Road Account (Provincial share) for the purchase of road maintenance plants.

Mileage.

24. The mileage of provincial roads maintained each year during the five years, ending in 1937-38 is detailed in the table below:—

—	1933-34	1934-35	1935-36	1936-37	1937-38
Metalled	599·78	613·48	613·43	622·1	556·5(*a*)
Unmetalled	1,422·61	1,429·47	1,549·26	1,633·7	1,765·4
Total ...	2,022·39	2,042·95	2,162·69	2,255·8	2,321·9
Bridle path ...	2,089·60	2,161·91	2,167·76	2,152·6	2,210·8

(*a*) Decrease due to 68·9 miles in Manipur subdivision being transferred to Central.

Appendix A to this Report shows the details of these roads (1937-38) as they fall under various charges. A statement showing the mileage of surfaced roads of various classes and of motorable earth roads (both Provincial and Central) maintained on the 31st March, 1938 will be found in Appendix B to this Report.

Roads

25. The following roads were taken over from local bodies during the year for improvement and future maintenance by the Department.

Name of Local body	Name of road	Length in mile	Remarks
1. South Sylhet Local Board ...	Maulvibazar-Srimangal road ...	1·0	
2. Tezpur Local Board ...	Part of Sherpur-Manumukh road (Kazirbazar to Sadhuhati).	3·19	
3. Ditto ...	Part of Maulvibazar-Manumukh road (Jogidhar to Dighirpar).	0·01	
4. Maulvibazar Municipal Board ...	Maulvibazar-Srimangal road ...	1·2	
5. Tezpur Local Board ...	Mansiri-Coldersghat road upto junction with Bakala-Panpur road.	8·0	In exchange for five miles of the North Trunk road East from West of and up to Jamuguri.
	Bakala-Panpur road upto Jamuguri.	6·0	

The following roads were transferred to the Local Boards shown against each :—

(1) Lanka-Karikhana road ... ... 4·5 miles
Nowgong Local Board

(2) Nagriting branch road ... ... 2 miles
Golaghat Local Board

26. Since the inauguration of the Central Road Fund, the following grants have been received. Road Fund.

Year	Allotments General Fund	Allotments Reserve Fund
	Rs.	Rs.
1929-30	1,81,333	Nil
1930-31	1,93,574	17,000
1931-32	2,25,588	1,45,901
1932-33	2,05,363	50,196
1933-34	2,30,477	70,863
1934-35	2,43,850	82,485
1935-36	2,71,325	10,45,438
1936-37	2,98,007	15,79,564
1937-38	1,50,000(*a*)	6,39,641
Total ...	19,99,517	36,31,088

(*a*) Provisional allotment for first six months.

27. The balance available from the General Fund at the close of the 1936-37 was Rs. 3,01,159 and credits during the year 1937-38 amounted to Rs. 3,23,007, thus giving a total of Rs. 6,24,166. General Fund.

The expenditure from this Fund was as under :—

Serial No	Name of work	Amount of estimate	Expenditure during 1937-38	Total Expenditure to end of 1937-38	Remarks
1	2	3	4	5	6
		Rs.	Rs.	Rs.	
1	Improving the Maulvibazar-Manumukh road.	54,563	25,495	42,605	In progress.
2	Extension of two bridges in mile 24th from Sylhet side of the Shillong-Sylhet road.	29,346	10,059	27,764	Completed 1937-38.
3	Replacement of bridges on the North Trunk Road between Bihpuria and the Buroi river.	2,77,427	2,27,837	2,58,832	In progress.
4	Construction of a road between Sherpur and Manumukh.	2,14,970	1,10,470	1,10,470	Ditto.
5	Surveying the Sylhet-Sunamganj road.	6,800	994	994	Ditto.
		5,83,106	3,74,855	4,40,665	

The balance at the close of the year thus stood at Rs. 2,49,308.

28. The extensive programme of work undertaken during 1935-36 was in full swing and approval of the Government of India was obtained to two further new works, *viz.*— Reserve Fund.

(1) construction of a bridge over the Dudnai river on the Assam Trunk road West, and

(2) a bridge over the Nonoi river on the Peneri Bhutiachong road—being undertaken involving an extra expenditure of Rs. 1,00,000.

A complete list of works undertaken from this source showing the expenditure and stage reached at the end of 1937-38 is given below :—

Serial No	Name of work	Amount of sanctioned estimate	Expenditure during 1937-38	Expenditure to end of 1937-38	Remarks
1	2	3	4	5	6
	ASSAM VALLEY	Rs.	Rs.	Rs.	
1	Improving the Jogighopa-Chapaguri road—23 miles (Western Assam Division).	1,75,530	34,965	1,65,155	
2	Improving portions of Dhodar Ali with its feeder roads to the Assam-Bengal Railway—	...	...	...	
	(a) Golaghat Division ...	59,702	Nil	60,155	Completed in 1936-37.
	(b) Lakhimpur Division— (i) Jorhat Subdivision ...	62,452	10,691	62,444	Completed in 1937-38.
	(ii) Sibsagar Subdivision ...	1,62,030	72,422	1,59,926	
	(iii) Dibrugarh Subdivision ...	26,290	Nil	25,802	Completed in 1936-37.
	Constructing a bridge over the Ranganadi (Central Assam Division).	2,44,834	3,880	2,44,654	Completed in 1937-38.
4	Improving the road between Kothiatoli and Doboka—11 miles (Lower Assam Division.)	75,000	35,017	66,661	
5	Improving the unmetalled portion of the Rangagora road 18½ miles (Lakhimpur Division.)	67,830	Nil	67,900	Completed in 1936-37.
6	Improving the Assam Trunk road from mile 17 West of Gauhati towards Goalpara (Lower Assam Division)				
	(i) Gauhati Subdivision ...	1,84,000	38,567	1,77,092	
	(ii) Goalpara Subdivision ...	66,000	31,121	63,227	
	(iii) Constructing a bridge over the Dudnai river.	40,000	38,219	38,219	
7	Improving the feeder road connecting Khowang Railway station with the Assam Trunk road—2¼ miles (Lakhimpur Division).	9,978	Nil	8,358	Ditto.
8	Improving the feeder road connecting Badlipar Railway station with the Assam Trunk Road—1½ miles (Golaghat Division).	9,102	Nil	8,140	Completed in 1936-37.
9	Constructing a bridge over the Deopani on the Assam Trunk Road (Lower Assam Division).	55,158	290	55,437	
10	Constructing and improving the feeder roads to the new extension of the Eastern Bengal Railway to Rangapara (Central Assam Division) :—				
	(a) Dhekiajuli station road ...	16,330	Nil	14,691	Ditto.
	(b) Orang-Majbhat road ...	9,895	Nil	8,277	Ditto.
	(c) Paneri-Bhutiachong road...	24,002	Nil	23,030	Ditto.
	(d) Balipara-Coldersghat road	54,013	Nil	50,841	Ditto.
	(e) Construction of Dalgaon-Rowta road.	64,133	30,175	30,225	
	(f) Constructing a bridge over the Nonoi at Bhutiachong.	65,870	57,625	57,676	
11	Improving the North Trunk Road and the feeder roads therefrom to the Steamerghats East of Tezpur (Central Assam Division) :—				
	(a) Tezpur Subdivision ...	28,321	1,220	28,328	Completed in 1937-38.
	(b) North Lakhimpur Subdivision.	22,306	448	22,066	Ditto.

Serial No.	Name of work	Amount of sanctioned estimate	Expenditure during 1937-38	Expenditure to end of 1937-38	Remarks
1	2	3	4	5	6
		Rs.	Rs.	Rs.	
	ASSAM VALLEY—*concld.*				
12	Improving the Rangajan road in the North Lakhimpur Subdivision—5 miles (Central Assam Division).	40,028	Nil	39,763	Completed in 1936-37.
13	Improving the unmetalled portion of road between Mangaldai and Tangla 10·11 miles (Central Assam Division) :—				
	(*a*) Mangaldai bridge ...	46,616	Nil	46,254	Ditto.
	(*b*) Improvement to road ...	25,780	Nil	23,107	Ditto.
14	Improving the North Gauhati Jhargaon road—11½ miles (Western Assam Division).	34,555	1,553	35,824	
15	Improving the Sibsagar-Desangmukh road—9 miles (Lakhimpur Division).	24,805	800	24,799	
16	Const uction of bridges on the Assam Trunk Road between Dibrugarh and Gauhati :—				
	(*a*) Desang (Lakhimpur Division).	2,28,571	1,598	2,33,296	Completed in 1937-38.
	(*b*) Kapalkata (Lower Assam Division).	88,415	38,503	83,364	
	(*c*) Killing at Amlighat (Lower Assam Division).	77,151	16,567	72,757	
	(*d*) Kopili at Dharamtul (Lower Assam Division).	1,97,028	77,028	2,01,585	
	(*e*) Kullong at Roha (Lower Assam Division).	40,102	14,361	37,974	
	Total—Assam Valley ...	23,25,827	5,05,050	22,37,029	
	SURMA VALLEY				
1	Constructing a bridge over the Surma river at Sylhet (Sylhet Division).	4,50,000	3,101	4,62,749	Completed in 1937-38.
2	Improving the Juri-Fultola bazar road-5·5 miles (Cachar Division).	44,222	17,369	42,773	
3	Constructing a road from Karimganj to Bhanga—8·30 miles (Cachar Division).	2,20,000	61,267	2,22,808	
4	Improving the Maulvibazar-Sriman-gal road (Sylhet Division).	52,849	9,125	52,187	
5	Constructing the Tikalmukh bridge (Cachar Division).	78,999	Nil	75,732	Completed in 1937-38.
6	Improving the Nilambazar-Sonakhira portion of the Karimganj-Juri road—14·03 miles (Cachar Division).	83,987	43,899	86,313	
	Total—Surma Valley ...	9,30,057	1,34,761	9,42,562	
	Total—Assam Valley ...	23,25,827	5,05,050	22,37,029	
	Grand Total both Valleys ...	32,55,884	(*a*)6,39,811	31,79,591	

(*a*) This excludes Rs.165 adjusted during the year on account of excess expenditure on experimental works in the previous year.

New programme of road improvements. 29. An extensive programme of road improvements estimated to cost Rs.1,06,75,000 from grants allotted by the Government of India from the Central Road Fund, was prepared, after consultation with Local bodies, District Officers and other interests. Of the 59 projects contained therein the Assam Communications Board selected 11 projects, estimated to cost Rs.24,90,000 for prior construction, and this was approved by the Assam Legislative Assembly (pages 1440-1447 and 1451-1493 of the Assam Legislative Assembly Proceedings, dated the 31st August 1937, published in Part VI of the *Assam Gazette* dated the 17th November 1937). The proposals were submitted to the Government of India and approval to the following ten projects has been received to date:—

	Rs.
1. Rebuilding the Doom-Dooma bridge in mile 318 of the Assam Trunk Road. ...	60,000
2. Improving the Srimangal-Shaistaganj road towards Agartola ...	3,00,000
3. Improving the Karimganj Earle Bridge approach road	20,000
4. Improving the Sylhet-Sunamganj road	4,00,000
5. Improving the Hojai-Doboka road	60,000
6. Replacing timber bridges on the Nowgong-Kampur road ...	1,00,000
7. Replacing timber bridges on the Assam Trunk Road west of Gauhati.	2,70,000
8. Bridging the Khandajan and Barnadi in Mangaldai subdivision	70,000
9. Bridging the Borgang in the Darrang District	3,00,000
10. Improving the Damra-Dalgoma road	1,10,000

It was directed that the first of these projects be financed from the provincial share in the Road Fund and a grant of Rs.3,00,000 was made from the Reserve in the Road Fund for other works. Detailed estimates for these projects were under preparation at the end of the year.

Expenditure on Control of Motor Traffic. 30. The efficient control of motor traffic to the satisfaction of the Government of India is a condition precedent to the making of any grants from the Central Road Fund to the Provincial Government for Improvement of their Communications. The Road Fund Resolution provides for such expenditure being met from the allocations to provinces. The Provincial Government's proposals accepted by the Government of India allow for the purchase of motor vehicle weighing machines to the extent of Rs.17,750 and the expenditure of Rs.8,838 on additional police staff for traffic control.

Bridge over the river Brahmaputra. 31. The construction of a road and rail bridge over the Brahmaputra at Pandu was the subject matter of correspondence between the Government of Assam and the Railway Board. The matter did not reach any final shape before the close of the year but since then the question of having a road-way over the rail track on the bridge, which is a cheaper solution has been referred to the Railway Board, and is under consideration.

Road maintenance by mechanical Methods. 32. The mechanical units for road maintenance continued to give excellent results in the treatment of earth and gravelled roads. No new machines were purchased during the year. This method of maintenance has resulted in savings in maintenance charges and rendered it possible for the Department to take over to improve and gravel a much greater mileage of roads.

Gravelling of earth roads. 33. The method of gravelling earth roads to make them fit for all weather traffic was continued wherever funds permitted. 70 miles of roads were gravelled during the year raising the total gravelled mileage to 1,077 from 1,007 in the previous year.

Communications Board meetings and Conferences. 34. A meeting of the Assam Communications Board was held on the 13th August 1937 for the selection of projects for Road Improvement programme and other purposes.

A meeting of the Transport Advisory Council was held in New Delhi in December 1937 and was attended by the late Mr. G. Reid Shaw, the then Secretary, Public Works Department.

Meetings of the Indian Roads Congress. 35. The fourth Indian Roads Congress was held in Hyderabad (Deccan) in January 1938, and was attended by Mr. Ali Ahmed, B.A., I.S.E., Superintending Engineer and Mr. R. M. Nath B.E., Assistant Engineer, A.E.S., as delegates.

MISCELLANEOUS

36. The total outlay under "Miscellaneous" was Rs.13,095 of which Rs.9,399 was spent on Original Works and Rs.3,696 on repairs against the total expenditure of Rs.6,128 in 1936-37 of which Rs.2,466 was spent on Original Works and Rs.3,662 on repairs. Miscellaneous.

ESTABLISHMENT

37. The statement given below shows the charges on Establishment for the last five years and the percentage they bear to the total expenditure on works :— Establishment.

—	1933-34	1934-35	1935-36	1936-37	1937-38
Establishment charges ...	10,04,977	9,83,187	10,51,433	10,69,192	9,55,263
Total outlay on works ...	27,65,613	34,61,168	44,91,964	49,92,071	38,39,341
Percentage	36	28	23	21	25

TOOLS AND PLANT

38. The total outlay during the year was Rs.74,489 against Rs.90,901 in the previous year. The sum of Rs.74,489 excludes Rs.158 debited to the head 33—Public Health—Works—Tools and Plant (Provincial). Tools and Plant.

39.—PUBLIC HEALTH

39. The total expenditure under this head was Rs.10,398 against Rs.8,969 in the previous year. Public Health.

18B.—NAVIGATION, EMBANKMENT AND DRAINAGE WORKS

40. The total outlay was Rs.46,054 as compared with Rs. 61,608 in 1936-37. Rupees 904 was spent on Original Works, Rs.29,274 on maintenance and Rs.5,800 on grants-in-aid. Rupees 9,492 was spent on establishment and pensionary charges and Rs.584 on Tools and Plant. Navigation, Embankment and Drainage Works.

Rupees 843 was spent on the erection of a permanent beacon on Chanderdinga rocks about six miles above Sonamukhighat in the Goalpara district, Rs.6,704 on flood damage repairs to the Dikhu bund right bank in the Sibsagar subdivision, Rs.469 on the construction of a retirement in the 5th mi'e of Desang bund in the Sibsagar subdivision and Rs.925 for carrying out river protection work at Maulvibazar. The balance was spent on various petty works throughout the Province.

DEPOSIT WORKS

41. The total outlay under this head amounted to Rs.14,083 against Rs.40,230 in the previous year. Rupees 11,841 was spent on Original Works, Rs.2,105 on establishment and Rs.137 on Tools and Plant. The more important works were— Deposit works.

(1) the construction of a hospital and dispensary at Sadiya at a cost of Rs.6,827, and (2) the protection of the bank of the river Kullong at Nowgong at a cost of Rs.687.

RAILWAYS AND TRAMWAYS

42. There was no change in the administration of Railways in Assam during the year under report. Railways.

No new construction was taken up. The total open mileage during the year remained the same as in the previous year, *viz.*, 1,331·75 miles.

The Tangla-Belsiri-Rangapara extension of the Eastern Bengal Railway is guaranteed by the Government of Assam to the extent of Rs.1,75,000 per annum and during the year, a sum of Rs.77,000 was paid on account of this guarantee.

The Agreement with the Steamer Companies for the working of the Jorhat Provincial Railway expired in September 1937, but was extended up to the 31st March 1938. The question of future management was under the consideration of the Railway Board.

Tramways. 43. The Singri-Panchnoi-River-Tramway which is managed by the Steamer Companies in the district of Darrang is the only Tramway (minor Railway) in this province.

44. *Railway Advisory Committees.*—During the year the Local Advisory Committees of the Jorhat Provincial Railway, Dibru-Sadiya Railway, Tezpur-Balipara Railway and the Assam-Bengal Railway each held two, three, one and two meetings respectively.

GENERAL

Assistance rendered to local bodies. 45. Executive Engineers continued to act as Inspector of Works under the provisions of the Assam Local Self-Government and Municipal Acts. On behalf of local bodies, projects amounting Rs.25,900 were sanctioned by them compared with schemes totalling Rs.16,76,155 in the previous year. In some cases, the Schedules of rates were also scrutinised.

POSTS AND TELEGRAPHS

Posts and Telegraphs. 46. A debit of Rs.4,521 was raised by the Telegraph Department against this Government during the year 1937-38 on account of loss in working certain Telegraph Offices and Lines in non-excluded areas, which were guaranteed from provincial revenues. Five extra departmental branch post offices, *i.e.*, Rangapara (Tezpur Head Office), Mandalibhog (Sylhet Head Office), Johidpur (Sylhet Head Office), Lakeswar (Sylhet Head Office). Langting (Nowgong Head Office) were opened and the Wakka Extra Departmental Branch Office (Jorhat Head Office) was closed during the year.

Nine hundred one licenses for wireless receiving sets were issued by post office in Assam and four licenses were issued for wireless receiver fixed stations: two new Telephone Exchanges, one at Silchar and the other at Sylhet, connected to the General Trunk, were opened.

The following new motor mail services were introduced in Assam during the year :—

(1) The Habiganj-Ajmiriganj runners line between Habiganj and Ajmiriganj was replaced by a motor bus *cum* motor launch service. The introduction of the service has established security and acceleration in the transmission of mails.

(2) The Keane Bridge across the river Surma having been opened to vehicular traffic, a motor mail service between the Post Offices in the town and railway station at Sylhet a distance of 1 mile, was introduced. This arrangement has established security and acceleration and is a great improvement on the previous mode of conveyance of mails by hand-cart and ferry boat.

(3) A motor mail service was introduced for the conveyance of mails between the Post Office and Railway station at Karimganj.

TOLLS ON BRIDGES AND ROADS

Tolls. 47. Tolls continued to be collected at the following places :—

(1) At Umtyngar and Dawki on Shillong-Sylhet Road. } For Vehicular traffic only.

(2) At Burnihat on the Gauhati-Shillong Road }

(3) At Chalkhowa bridge at Barpeta.

(4) At Dhansiri bridge at Numaligarh on the 156th mile of the Assam Trunk Road (East).

(5) At Dehing bridge at Khowanghat on the 257th mile of the Assam Trunk Road (East).

(6) At Dikhu bridge at Amgurighat on the 222nd mile of the Assam Trunk Road (East).

(7) At Ranganadi bridge (Pahumara) on the 4th mile west of North Lakhimpur on the North Trunk Road.

(8) At Desang bridge at Desang Barbaruaghat on the 229th mile of the Assam Trunk Road (East).

(9) At Keane bridge over the Surma river at Sylhet.

(10) At Dharamtal bridge over the Kopili river in the 49th mile of the Assam Trunk Road (East).

FLOODS

48. In Sylhet the Police buildings at Lakai and Sulla were threatened by erosion. Floods.

In the Central Assam Division flood were experienced in the months of August and September 1937. About 100 yds. of the road at Gomirighat were cut off by the Brahmaputra and the northern approach on a bridge on the Goramur Road was washed away, resulting in closure of traffic for 4 days.

The river Dikhu in the Lakhimpur Division experienced a high flood in August 1937. The Brahmaputra river continued to encroach upon its left bank at Dibrugarh.

The Bhogdoi river near Jorhat was in unusually high flood in August 1937. The left Bhogdoi bund maintained by the Public Works Department was not damaged but the private bund of the right bank built by the *ryots* was breached. Portions of the Dhodar Ali in the 27th, 29th and the 30th miles were overtopped at the same time and the road remained flooded for about a week during which it was completely impassable for wheeled traffic.

The district of Garo Hills was also visited by floods.

STORMS

49. A violent storm swept over Goalpara town on the 20th May 1937 causing damage to several public buildings. Storms.

In June 1937 two trees in the Circuit House compound at Dhubri were uprooted by a violent storm and fell on the Circuit House almost completely wrecking it.

A storm passed over Sibsagar district in April 1937 causing damage to buildings.

LAND SLIPS

50. Owing to heavy slips and subsidence in certain portions of the Dimapur-Manipur Road, through traffic was closed from the middle of August to the end of October 1937. Land slips.

EARTHQUAKES

51. In the Lakhimpur, Khasi and Jaintia Hills and Garo Hills districts slight shocks were experienced on one or two occasions with no damage. At Jorhat a tremor took place on the 10th September 1937 but with no consequences. Earthquakes.

FIRE AND LIGHTNING

52. The cookshed of the additional hostel attached to the Berry-White Medical School at Dibrugarh was accidentally burnt in Novemher 1937 and the building was repaired at a cost of Rs. 146. Fire and lightning.

Shillong:
The 10th January 1939.

K. E. L. PENNELL,
Secretary to the Government of Assam in the Public Works Department.

APPENDIX A

Statement showing the total length of metalled and unmetalled roads and Bridle paths in the Province of Assam during 1937-38

Serial No.	Public Works Department Divisions	Civil Districts	Metalled		Unmetalled		Bridle		Remarks
			Central	Provincial	Central	Provincial	Central	Provincial	
1	2	3	4	5	6	7	8	9	10
1	Khasi and Jaintia Hills.	Khasi and Jaintia Hills.	..	170·0	..	12·3	..	35·1	
2	Lower Assam ..	Kamrup (Gauhati Subdivision).	..	33·2	..	38·1	..	..	
		Nowgong ..	..	19·3	..	151·1	..	..	
		Goalpara (Goalpara Subdivision)	..	12·3	..	67·8	..	..	
3	Western Assam ..	Kamrup (Barpeta Subdivision).	..	1·0	..	152·3	..	10·5	
		Goalpara (Dhubri Subdivision).	..	1·5	..	106·0	..	..	
4	Central Assam ..	Darrang ..	..	27·9	..	209·9	..	..	
		Lakhimpur (North Lakhimpur Subdivision).	..	11·6	..	85·0	..	..	
5	Golaghat ..	Sibsagar (Golaghat Subdivision).	..	6·0	..	134·3	..	..	
		Jorhat Subdivision	..	17·5	..	51·5	..	..	
		Naga Hills (Kohima Subdivision).	..	61·5	..	1·0	..	..	
		Manipur ..	72·5	..	1·4	..	..	..	
6	Lakhimpur ..	Lakhimpur (Dibrugarh Subdivision).	1·0	63·2	..	103·7	..	..	
		Sibsagar (Sibsagar Subdivision).	..	7·3	..	100·0	..	..	
7	Sylhet ..	Sylhet (North Sylhet, Sunamganj, Maulvibazar and Habiganj Subdivisions).	..	52·0	..	100·0	..	..	
8	Cachar ..	Cachar ..	..	57·9	..	68·3	..	..	
		Sylhet (Karimganj Subdivision).	..	3·0	..	75·7	..	..	
		Total ..	73·5	551·2	1·4	1,457·0	..	45·6	
			UNDER PUBLIC WORKS DISBURSERS						
9	Deputy Commissioner, Khasi and Jaintia Hills.	....	..	3·6	..	..	..	325·1	
10	Deputy Commissioner, Naga Hills.	....	..	..	..	23·4	..	694·8	
11	Deputy Commissioner, Garo Hills.	....	..	1·7	..	113·3	..	78·3	
12	Deputy Commissioner, Cachar.	....	..	..	..	..	..	230·8	
13	Political Officer, Sadiya Frontier Tract.	....	..	..	..	146·1	38·5	58·3	
14	Political Officer, Balipara Frontier Tract.	....	..	..	110·5	..	..	..	
15	Superintendent, Lushai Hills.	....	..	..	..	25·6	..	777·9	
		Total ..	..	5·3	110·5	308·4	38·5	2,165·2	
		Grand total ..	73·5	556·5	111·9	1,765·4	38·5	2,210·8	

Total=4,756·6.

APPENDIX B

Mileage of roads (both Provincial and Central) of various classes

Name of Public Works Division	Metalled roads					Trackways	Gravelled roads	Earth roads		Total mileage	Bridle roads and roads which are never motorable	Remarks
	Water bound		Painted with tar Bitumen or Asphalt	Grouted with tar Bitumen or Asphalt (including the dipping process)	Carpetted with premix-tar Bitumen or Asphalt			Motorable throughout the year	Motorable during fair weather only			
	Stone metal only	Laterite or brick metal										
1	2	3	4	5	6	7	8	9	10	11	12	13
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	
1. Lakhimpur	31·6	...	39·9	...	...	...	172·6	7·7	23·4	275·2	...	
2. Golaghat	73·5	...	76·6	...	11·4	1·6	166·0	5·9	12·3	347·3	4·4	
3. Central Assam	16·0	0·8	22·3	0·4	...	23·3	226·4	45·2	...	334·4	...	
4. Lower Assam	43·5	21·3	...	...	...	2·0	206·5	29·0	19·5	321·8	...	
5. Western Assam	1·0	0·4	1·1	...	...	1·4	59·0	150·6	47·3	260·8	10·5	
6. Khasi and Jaintia Hills ...	82·8	9·3	77·3	...	·6	...	5·8	...	6·5	182·3	35·1	
7. Sylhet	28·5	6·9	16·6	...	...	...	77·2	18·2	...	147·4	4·6	
8. Cachar	...	31·7	29·2	...	...	...	81·2	37·0	8·3	187·4	17·5	
9. Deputy Commissioner, Cachar ...	...	...	...	...	...	...	...	...	...	...	230·8	
10. Deputy Commissioner, Khasi and Jaintia Hills.	3·6	...	...	...	...	...	...	...	...	3·6	325·1	
11. Deputy Commissioner, Naga Hills.	...	...	...	...	...	...	...	...	18·7	18·7	699·5	
12. Deputy Commissioner, Garo Hills.	1·0	...	...	·7	...	...	7·7	58·8	56·8	125·0	68·3	
13. Superintendent, Lushai Hills ...	...	...	...	...	...	...	19·9	...	5·7	25·6	777·9	
14. Political Officer, Balipara Frontier Tract.	...	...	...	...	...	...	...	79·9	30·6	110·5	...	
15. Political Officer, Sadiya Frontier Tract.	...	...	...	...	...	...	55·3	52·3	38·5	146·1	96·8	
Total ...	281·5	70·4	263·0	1·1	12·0	28·3	1,077·6	484·6	267·6	2,486·1	2,270·5	

Total mileage=4,756·6.

APPENDIX C

Statement of expenditure on Public Works During 1937-38

Major and Minor Works	Original Works		Repairs		Total	
	Final Grant	Outlay	Final Grant	Outlay	Final Grant	Outlay
1	2	3	4	5	6	7
CENTRAL						
8. Military Engineering Services—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Works	2,449	2,163	8,549	8,556	10,998	10,719
Establishment	..	..	..	..	3,162	2,781
Tools and Plant	..	..	..	..	215	215
Total ..	2,449	2,163	8,549	8,556	14,375	13,715
50.—Civil Works—						
Buildings .. Non-voted ..	..	..	2,330	2,306	2,330	2,306
Buildings .. Voted ..	6,264	6,195	7,700	7,439	13,964	13,634
(a) Reserve	6	..	..	..	6	..
Communications—(Non-voted) ..	..	..	89,500	89,292	89,500	89,292
Miscellaneous	..	..	..	..	..	..
Establishment .. Non-voted ..	..	..	..	..	25,760	8,564
Establishment .. Voted ..	..	..	..	..	2,240	19,435
Tools and Plant.. Non-voted ..	..	..	..	..	1,812	210
Tools and Plant.. Voted ..	..	..	..	..	158	1,760
Suspense	..	..	..	..	..	..
Total .. Non-voted ..	..	..	91,830	91,598	1,19,402	1,00,372
Total .. Voted ..	6,270	6,195	7,700	7,439	16,368	34,829
34.—Tribal Areas.—Frontier Watch and Ward—						
Buildings	19,300	16,842	40,240	39,933	59,540	56,775
Communications	2,000	2,000	14,100	14,065	16,100	16,065
Establishment	..	..	..	..	20,792	21,362
Tools and Plant	..	..	..	..	1,533	1,503
Total ..	21,300	18,842	54,340	53,998	97,965	95,705
33.—Payment to Crown Representative.—III.—Civil Works in charge of the Public Works Department—						
Works..	1,000	929	3,410	3,363	4,410	4,292
Establishment, Tools and Plant ..	..	..	..	..	1,318	1,318
Deduct—Receipts	..	..	..	..	—3,000	—2,967
Total ..	1,000	929	3,410	3,363	2,728	2,643
Total (Central)	31,019	28,129	1,65,829	1,64,954	2,50,838	2,47,264

APPENDIX C—*concld.*

Major and Minor Works		Original Works		Repairs		Total	
		Final Grant	Outlay	Final Grant	Outlay	Final Grant	Outlay
1		2	3	4	5	6	7
PROVINCIAL		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
50.—Civil Works—							
Buildings	Charged	33,831	33,267	..	93,250	33,831	1,26,517
	Voted ..	3,09,421	2,54,140	..	3,02,769	3,09,421	5,56,909
Communications ..	Charged	2,318	2,166	3,81,299	2,93,687	3,83,617	2,95,853
	Voted ..	10,31,544	10,33,237	20,88,800	17,83,552	31,20,344	28,16,789
Miscellaneous ..	Charged	..	..	..	106	..	106
	Voted ..	9,400	9,399	..	3,590	9,400	12,989
Re-grant of lapses—Voted ..		1	..	..	..	1	..
Deduct savings—Voted.. ..		—50,000	..	..	..	—50,000	..
Establishment ..	Charged	..	..	..	..	2,03,410	2,60,268
	Voted ..	..	..	..	..	6,84,643	6,85,503
Tools and Plant ..	Charged	..	..	..	..	8,100	7,394
	Voted ..	..	..	..	..	67,500	66,511
Suspense	Voted ..	..	..	..	..	..	—3,846
	Charged	..	..	..	..	..	638
Loss by Exchange ..	Charged	..	..	..	..	..	—226
	Voted ..	..	..	..	..	..	..
Charged in England—Charged ..		..	..	..	..	43,666	43,616
Grants-in-aid ..	Charged	..	..	..	..	5,200	1,200
	Voted ..	..	..	..	..	4,39,552	4,19,309
Deduct—English cost of Stores and establishment—Voted.		..	..	..	..	..	..
For rounding ..	Voted ..	..	..	..	..	—151	..
	Charged	..	..	..	..	..	..
Total ..	Charged	36,149	35,433	3,81,299	3,87,043	7,37,824	7,35,366
	Voted ..	13,00,366	12,96,776	20,88,800	20,89,911	45,80,710	45,54,164
39.—Public Health—Provincial—							
Works		826	779	7,530	7,352	8,356	8,131
Establishment		..	..	..	..	..	2,109
Tools and Plant		..	..	..	..	..	158
Total ..		826	779	7,530	7,352	8,356	10,398
18.—Navigation, Embankments and Drainage Works.							
Works		1,008	904	29,400	29,274	30,408	30,178
Grants-in-aid		..	..	..	..	5,800	5,800
Establishment ..	Voted ..	..	..	..	..	992	6,324
	Charged	..	..	..	..	..	2,405
Tools and Plant	Charged	..	..	..	..	..	525
	Voted ..	..	..	..	..	..	59
Pensionary charges from other Government Department.	Voted ..	..	..	..	..	700	529
	Charged	..	..	..	..	300	234
Total ..	Voted ..	1,008	904	29,400	29,274	37,900	43,356
	Charged	..	..	..	..	300	2,698
DEPOSIT WORKS							
Works (ordinary)		14,421	11,841	..	..	14,421	11,841
Tea Rates Road Fund Works ..		..	..	..	..	..	..
Establishment		..	..	..	..	..	2,105
Tools and Plant		..	..	..	..	..	137
Total ..		14,421	11,841	..	..	14,421	14,083
Total (Provincial) ..		13,52,770	13,45,733	25,07,029	25,13,580	53,79,511	53,60,065
Grand Total ..		13,83,789	13,73,862	26,72,858	26,78,534	56,30,349	56,07,329

APPENDIX D

Head	Name of work	Estimated cost	Outlay during the year
1	2	3	4
		Rs.	Rs.
Land Revenue ...	1. Construction of an office building for the Director of Land Records and Surveys in Public Works Department Secretariat Hill, Shillong.	31,626	16,310
	2. Petty works in Khasi and Jaintia Hills Division.	185	128
	3. Petty works in Lakhimpur Division ...	65	60
	4. Petty works in Western Assam Division	830	401
	Total	...	16,899
Excise	1. Construction of additional houses in Silchar Bonded Warehouse compound.	3 224	1,039
	2. Additions and alterations to the Bonded Warehouse at Tinsukia.	9,029	30
	3. Petty works in Lakhimpur Division ...	102	95
	4. Petty works in Sylhet Division ...	605	513
	5. Petty works in Lower Assam Division	41	27
	Total	...	1,704
Registration ...	1. Construction of a separate building for the Registration Office and Record Room at Sylhet.	80,192	49,994
	2. Petty works in Sylhet Division ...	518	355
	Total	...	50,349
General Administration (Voted)—Non-Excluded areas.	1. Reconstruction of a kitchen in Subdivisional Officer's residence at Habiganj.	1,458	—30
	2. Petty Works in Sylhet Division ...	1,050	944
	3. Construction of a Second Chamber at Shillong.	92,412	67,799
	4. Construction of a hostel for caste Hindu Members of Legislative Council and attached out-houses at Inglesby, Shillong.	48,855	41,681
	5. Special repairs to "Lake House" (Hon'ble Speaker's residence) Shillong.	9,634	501

APPENDIX D—*contd.*

Head	Name of work	Estimated cost	Outlay during the year
1	2	3	4
		Rs.	Rs.
General Administration (Voted)—Non-Excluded areas—*concld.*	6. Additions and alterations to the Council Chamber, Shillong.	1,43,600	—4,004
	7. Provision of Sanitary fittings in the two bath rooms of the Lake House, Shillong.	1,010	1,008
	8. Constructing an additional cook-shed and providing zenana fencing at Lake House, Shillong.	2,140	2,122
	9. Petty works in the Khasi and Jaintia Hills Division.	1,587	1,281
	10. Petty works in Western Assam Division	587	531
	11. Conversion of two Staff Sergeant's quarters at Silchar into an annexe to the Circuit House.	1,509	...
	12. Petty works in Cachar Division ...	257	215
	13. Petty works in Lower Assam Division	498	2
	14. Petty works in Central Assam Division	444	435
	15. Petty works in Garo Hills District ...	75	71
	16. Petty works in Golaghat Division ...	622	548
	17. Petty works in Lakhimpur Division ...	16	15
	Total ...	...	1,13,117
General Administration (Voted)—Excluded areas.	1. Constructing Political godown and Porters line at Demaguri in Lushai Hills.	417	335
	Total ...	...	335
General Administration—(Charged).	1. Carrying out certain additions and alterations to the menials' quarters and Guard House attached to Government House, Shillong.	4,800	4,526
	2. Carrying out certain additions and alterations to Government House, Shillong.	21,364	19,425
	3. Construction of a building for the Governor's Secretary and his office in the Secretariat Hill, Shillong.	12,400	2,688
	4. Petty works in the Khasi and Jaintia Hills Division.	1,231	649
	Total ...	...	27,288

APPENDIX D—*contd.*

Head	Name of work	Estimated cost	Outlay during the year
1	2	3	4
		Rs.	Rs.
Administration of Justice.	1. Construction of a Court building for Subordinate Judge and Assistant Sessions Judge, Assam Valley districts at Gauhati.	8,989	1,499
	2. Construction of a permanent Mortuary at Goalpara.	1,892	1,322
	3. Petty works in Lower Assam Division	135	76
	4. Petty works in Cachar Division ...	81	51
	Total	...	2,948
Jails and Convict Settlements.	1. Construction of a barrack for 30 undertrials in the district Jail at Dibrugarh.	10,007	6,267
	2. Petty works in Lakhimpur Division ...	29	28
	3. Provision of *pucca* plinth and wall battens to the whole bamboo walling of the lock-up at Barpeta.	1,046	1,021
	4. Petty works in Western Assam Division	522	488
	5. Petty works in Khasi and Jaintia Hills Division.	349	52
	6. Construction of a barrack for 60 prisoners in the Jail at Borbheta.	18,253	9,600
	7. Construction of a new factory in the Nowgong Jail.	7,145	5,744
	8. Replacing of the existing night latrines of the sleeping barracks of the Gauhati Jail by Jorhat pattern cage latrines (Improved upon Alipore one.)	2,317	1,186
	9. Petty works in Lower Assam Division...	866	803
	10. Provision of fine mesh expanded metal ceiling in wards Nos. X and XI and replacement of the thatched roof of ward No. V in the Silchar Jail with corrugated iron roof.	1,526	1,267
	11. Petty works in Central Assam Division	790	639
	Total	...	27,095
Police (other than Assam Rifles).	1. Construction of a residential building for Superintendent of Police at Dhubri.	34,130	11,867
	2. Petty works in Western Assam Division	258	245

APPENDIX D—*contd.*

Head	Name of work	Estimated cost	Outlay during the year
1	2	3	4
		Rs.	Rs.
Police (other than Assam Rifles)—*concld.*	3. Constructing quarters for married constables — one block of six each at Garikhana Beat House, Shillong.	4,995	1,400
	4. Petty works in Khasi and Jaintia Hills Division.	1,500	1,303
	5. Enlarging the existing constables' barrack at Sreemangal.	1,312	812
	6. Construction of 4 constables' barrack in Bahubal Police Station.	1,532	1,027
	7. Petty works in Sylhet Division ...	1,600	1,486
	8. Construction of spare barracks in the Reserve Lines at Dibrugarh into cookshed.	1,844	1,364
	9. Petty works in Lakhimpur Division ...	583	449
	10. Petty works in Cachar Division ...	13	11
	11. Petty works in Lower Assam Division	95	95
	12. Petty works in Golaghat Division ...	282	278
	Total ...	...	20,337
Police (other than Assam Rifles) Excluded Areas.	1. Improvement to the cubicles on the Government Railway Police Constables' barracks at Haflong.	146	146
	2. Accommodation for the extra staff of 4 constables in the North Cachar Hills.	30	30
	Total	...	176
Police (Assam Rifles) Excluded Areas.	1. Construction of a 3rd Bachelor's Barrack attached to the Assam Rifles Detachment at Tura.	2,420	2,332
	2. Removing and reconstructing Assistant Commandant's kitchen at Aijal.	120	120
	Total	...	2,452
Education—European and Anglo-Indian.	1. Petty works in Khasi and Jaintia Hills Division.	250	200
	Total	...	200

APPENDIX D—*contd.*

Head	Name of work	Estimated cost	Outlay during the year
1	2	3	4
		Rs.	Rs.
Education (other than European).	1. Construction of two class rooms extending the annexe of the Model Girls' High School at Dibrugarh.	3,550	2,798
	2. Replacing tiled roof and cloth ceiling, etc., of the Government Bezbarua High School at Golaghat.	2,445	26
	3. Petty works in Golaghat Division ...	1,084	703
	4. Petty works in Sylhet Division ...	496	489
	5. Petty works in Lower Assam Division	185 +64	148
	6. Petty works in Khasi and Jaintia Hills Division.	478	440
	Total	...	4,604
Medical	1. Petty works in Lakhimpur Division...	818	749
	2. Extension of a room in the Civil Surgeon's office building at Sylhet and provision of shelves.	1,880	1,879
	3. Petty works in Sylhet Division ...	1,237	923
	4. Petty works in Garo Hills ...	154	154
	5. Petty works in Khasi and Jaintia Hills Division.	54	45
	6. Certain additions and alterations to the Civil Assistant Surgeon's quarters at North Lakhimpur.	1,111	834
	7. Petty works in Central Assam Division	50	48
	8. Provision of a *pucca* drain round the T. B. and *Kala-azar* wards joining the drain from the Isolation ward and connecting with the Municipal drain, Gauhati Civil Hospital.	1,033	785
	9. Constructing a third paying ward in Gauhati Hospital compound.	5,874	1,200
	Total ...	...	6,617
Medical Excluded Areas	1. Provision of a stable in the Civil Surgeon's residence at Aijal.	315	313
	2. Provision of fire places in the Civil Hospital at Sialsukh.	126	112
	3. Extension of the Kolosib dispensary building in the Lushai Hills.	210	176
	4. Carrying out certain additions and alterations to the Sub-Assistant Surgeon's quarters at North Vanlaiphai.	1,124	910
	5. Providing stoves in the male and female wards of the Wakching dispensary.	147	151
	6. Provision of stone work chimneys in the dispensary at Wokha.	239	216
	Total ...	...	1,878

APPENDIX D—*concld.*

Head	Name of work	Estimated cost.	Outlay during the year
1	2	3	4
		Rs.	Rs.
Industries ...	1. Petty works in Lower Assam Division	342	246
	Total ...	...	246
Veterinary ...	1. Petty works in Lower Assam Division	87	57
	Total ...	...	57
Civil Works ...	1. Petty works in Golaghat. Division ...	842	431
	2. Petty works in Khasi and Jaintia Hills Division.	1,013	822
	3. Providing electric fittings in certain rooms of the Settlement office buildings at Gauhati.	1,511	1,560
	4. Construction of quarters for the Public Works Department Sectional Officers at Chhaygaon.	5,773	3,054
	5. Petty works in Lower Assam Division.	1,475	393
	6. Petty works in Central Assam Division	98	97
	7. Petty works in Garo Hills District ...	16	15
	8. Loss on stock in Lakhimpur Division...	3,191	3,120
	9. Petty works in Sylhet Division ...	325	216
	10. Loss on stock in Cachar Division ...	...	233
	Total ...	...	9,971
Civil Works—Excluded Areas.	1. Loss on stock in Sadiya Frontier Tract	1,138	1,138
	Total	...	1,138
	Grand Total ...	...	2,87,407

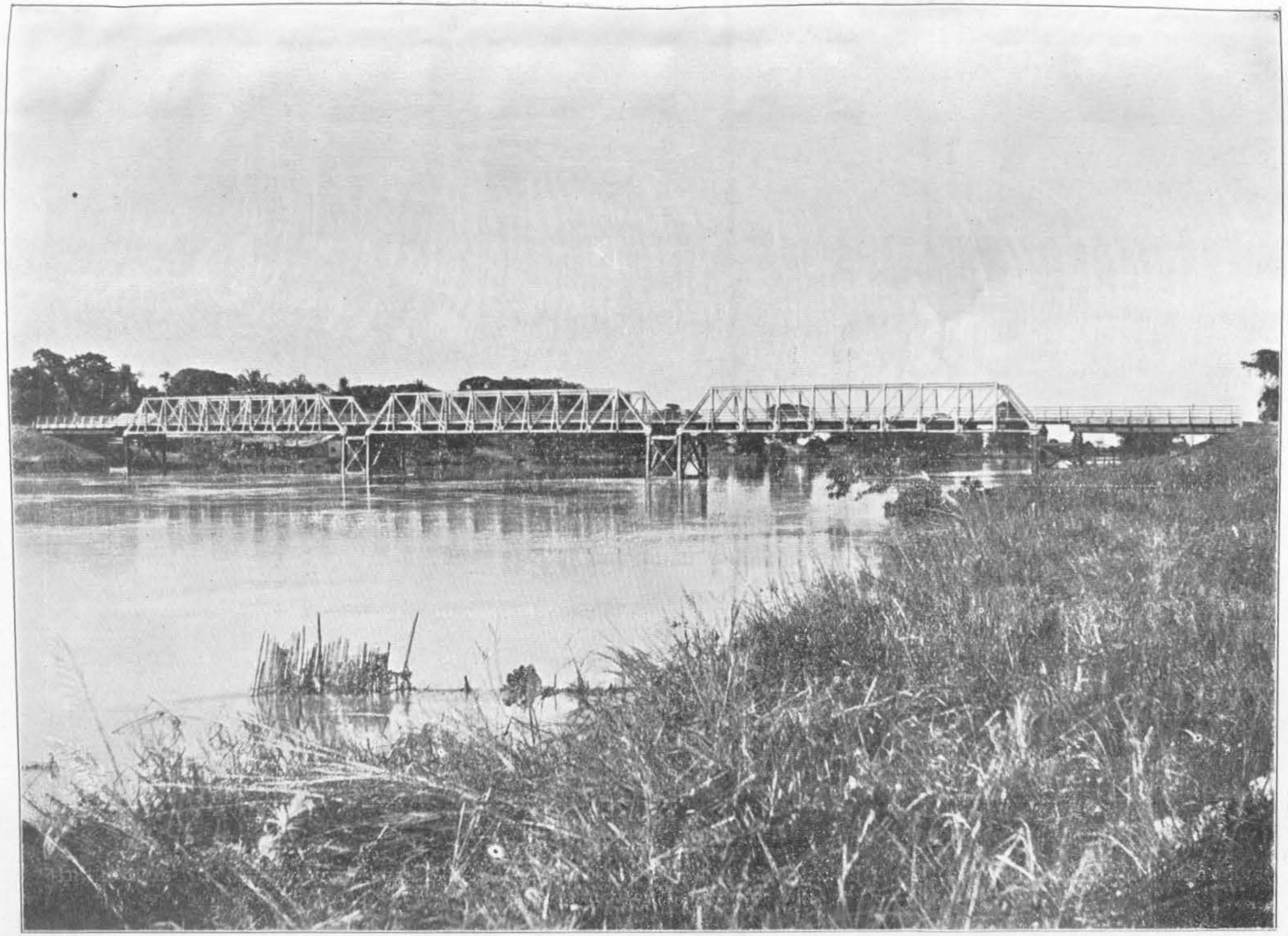
A. G. P. (P. W. D.) No. 113—197—20-1-1939.

ASSAM LEGISLATIVE COUNCIL HOUSE, SHILLONG

Commenced—12th October 1936

Completed—31st March 1938

Cost—Rs.1,00,670



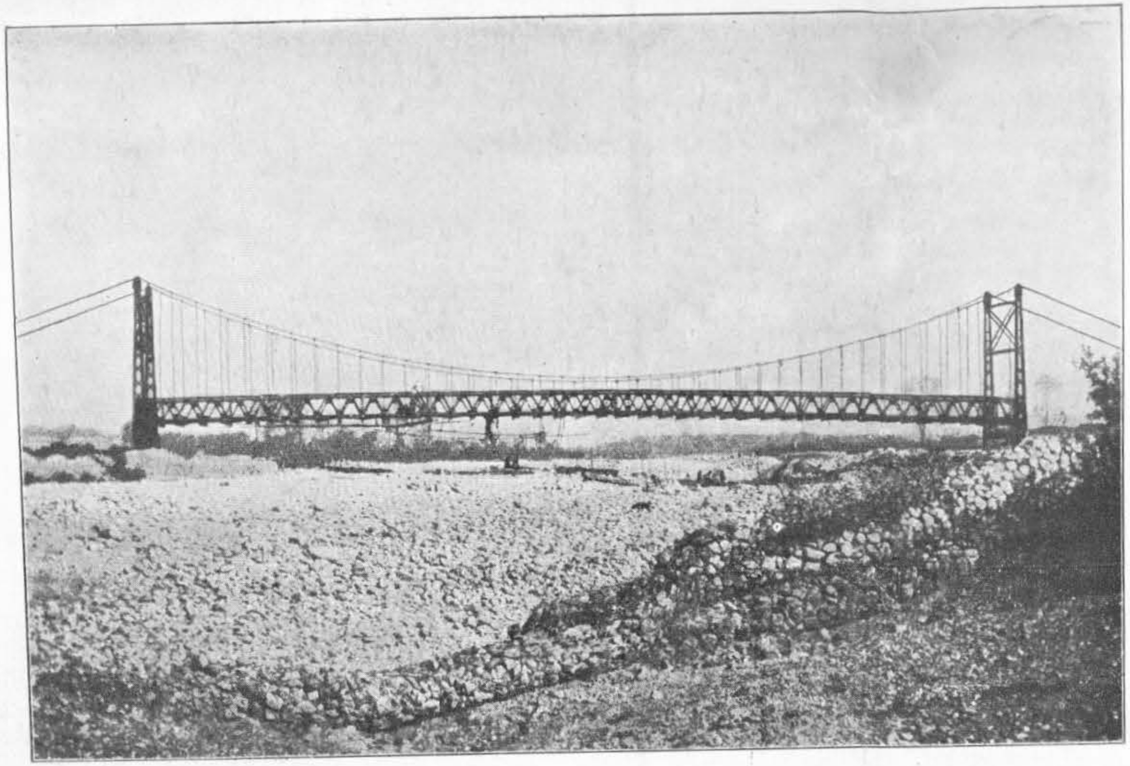
DHARAMTUL BRIDGE OVER THE KOPILI RIVER

In the 49th Mile of the Assam Trunk Road. A road bridge consisting of 3 spans of 100 ft. each and 2 spans of 40 ft. each giving a total overall span of 420 ft.

Commenced—23rd December 1936

Completed—24th March 1938

Cost—Rs.2,07,443



NOONAI SUSPENSION BRIDGE AT BHUTIACHONG

In the 30th Mile of the Mangaldai-Bhutiachong Road. Length 200 ft. between centre of towers.

Commenced—November 1937

Completed—19th May 1938

Cost—Rs.65,870